

Substitute for form 1449/PTO, based on O/SB/08A and 08B		Application Number	10/520,777
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	01/07/2005
		First Named Inventor	Wang et al.
		Art Unit	Not assigned 2882
		Examiner Name	Not assigned Kao
		Attorney Docket Number	37-03

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**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)
/C.K./		6,438,204 B1	08/20/2002	Dzakula	
↓		3,714,426	1/30/1973	Wolfel et al.	
		3,609,356	10/28/1971	Schwuitke et al.	
/C.K./		2002/0116133	08/22/2002	Terwilliger	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Number (include WIPO country code )	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T <sup>2</sup>

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	REFERENCE		T <sup>2</sup>
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/C.K./		Bernstein et al. (1977) "The Protein Data Bank: A Computer-based Archival File for Macromolecular Structures," <i>J. Mol. Biol.</i> 112:535-542		
↓		Blow et al. (1959) "The Treatment of Errors in the Isomorphous Replacement Method," <i>Acta Cryst.</i> 12:794-802		
		Blundell & Johnson (1976) "Anomalous Scattering," In; <i>Protein Crystallography</i> , New York, Academic Press, pp.165-182		
		Dauter et al. (Jan. 2002) "Jolly SAD," <i>Acta Cryst.</i> D58:494-506		
		Dauter et al. (1999) "Can Anomalous Signal of Sulfur Become a Tool for Solving Protein Crystal Structures?" <i>J. Mol. Biol.</i> 289:83-92		
		Dickerson et al. (1961) "The Crystal Structure of Myoglobin: Phase Determination to a Resolution of 2Å by the Method of Isomorphous Replacement," <i>Acta. Cryst.</i> 14:1188-1195		
		Diederichs et al. (1997) "Improved r-Factors for Diffraction Data Analysis in Macromolecular Crystallography," <i>Nature Struct. Biol.</i> 4:269-275		
↓		Drenth, J. (1994) <i>Principles of Protein X-ray Crystallography</i> , New York, Springer-Verlag, pp. 199-210		
/C.K./		Fu et al. (2000) "Scaling Bio-Macromolecular Crystal Diffraction Data Using 3-Dimensional Models with Free-R" Am. Crystallogr. Assoc. Annual Meeting, St. Paul, Minnesota, USA Abstract P066 (W0110)		

Examiner Signature	/Chih-Cheng Kao/	Date Considered	01/28/2008
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<sup>1</sup>Applicant's unique citation designation number (optional).

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/C.K./	Fu et al. (March 2004) "Monitoring the Anomalous Scattering Signal and Noise Levels in X-ray Diffraction of Crystals," <i>Acta. Cryst.</i> D60:499-506	
	Gordon et al. (Sept. 2001) "The C <sub>1</sub> Subunit of α-Crustacyanin: The <i>de novo</i> Phasing of the Crystal Structure of a 40 kDa Homodimeric Protein Using The Anomalous Scattering from S Atoms Combined with Direct Methods," <i>Acta. Cryst.</i> D57:1230-1237	
	Hendrickson, W.A. (1985) "Analysis of Protein Structure from Diffraction Measurement at Multiple Wavelengths," <i>Trans. Am. Crystallogr. Assoc.</i> 21:11-21	
	Hendrickson, et al. (1981) "Structure of the Hydrophobic Protein Crambin Determined Directly from the Anomalous Scattering of Sulphur," <i>Nature</i> 290:107-113	
	Howell et al. (1992) Identification of Heavy-atom Derivatives by Normal Probability Methds," <i>J. Appl. Cryst.</i> 25:81-86	
	Kleywegt, G.J. (2000) "Validation of Protein Crystal Structures," <i>Acta. Cryst.</i> D56:249-265	
	Ladd et al. (1994) "Anomalous Scattering," In; <i>Structure Determination by X-Ray Crystallography</i> 3 <sup>rd</sup> ed. New York: Plenum Press, pp. 335-348	
	Li et al. (Dec. 2002) "Crystal Structure of the Cytoskeleton-Associated Protein Glycine-rich (CAP-Gly) Domain," <i>J. Biol. Chem.</i> 277:48596-48601	
	Lin et al. (2000) "AutoDep: A Web-Based System for Deposition and Validation of Macromolecular Structural Information," <i>Acta. Cryst.</i> D56:828-841	
	Liu et al. (2000) "Structure of the Ca <sup>2+</sup> -Regulated Photoprotein Obelin at 1.7 Å Resolution Determined Directly from its Sulfur Substructure," <i>Protein Sci.</i> 9:2085-2093	
	Mathews, B.W. (1966) "The Extension of the Isomorphous Replacement Method to Include Anomalous Scattering Measurements," <i>Acta Cryst.</i> 20:82-86	
	McRee, D.E. (1992) "A Visual Protein Crystallographic Software System for X11/Xview," <i>J. Mol. Graph.</i> 10:44-46	
	North, A.C.T. (1965) "The Combination of Isomorphous Replacement and Anomalous Scattering Data in Phase Determination of Non-Centrosymmetric Reflexions," <i>Acta. Cryst.</i> 18:212-216	
	Otwinowski et al. (1997) "Processing of X-Ray Diffraction Data Collected in Oscillation Mode," <i>Methods Enzymol.</i> 276:307-326	
	Popov et al. (Aug. 2003) "Choice of Data-Collection Parameters Based on Statistic Modeling," <i>Acta. Cryst.</i> D59:1145-1153	
	Ramagopal et al. (June 2003) "Phasing on Anomalous Signal of Sulfurs: What is the Limit," <i>Acta. Cryst.</i> D59:1020-1027	
	Shen et al. (July 2003) "Anomalous Difference Signal in Protein Crystals," <i>Acta Cryst.</i> A59:371-373	
	Stajich et al. (Oct. 2002) "The Bioperl Toolkit: Perl Modules for the Life Sciences," <i>Genome Res.</i> 12(10):1611-1618	
↓	Stout et al. (1968) "Heavy-Atom Methods," In; <i>X-Ray Structure Determination. A Practical Guide</i> , London: Macmillan, pp.270-299	
/C.K./	Wang, B.C. (1985) "Resolution of Phase Ambiguity in Macromolecular Crystallography," <i>Methods Enzymol.</i> 115:90-112	

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/C.K./	Weiss, M.S. (April 2001) "Global Indicators of X-Ray Data Quality," <i>J. Appl. Cryst.</i> 34:130-135	
	Weiss et al. (1997) "On the Use of the Merging R Factor as a Quality Indicator for X-Ray Data," <i>J. Appl. Cryst.</i> 30:203-205	
	Weiss et al. (1998) "Two Non-Proline Cis Peptide Bonds may be Important for Factor XIII Function," <i>FEBS Lett.</i> 423:291-296	
↓	Wu et al. (1999) P12.02.023 "Direct Determination of Crystal Structure of Human Ferro-Chelatase Using [2Fe-2S] Anomalous Scattering Signal from In-House Data and Solvent Flattening" <i>Acta. Cryst. A</i> 55(Sup.):255	
/C.K./	Wu et al. (Feb. 2001) "The 2.0 Å Structure of Human Ferrochelatase, the Terminal Enzyme of Heme Biosynthesis," <i>Nature Struct. Biol.</i> 8:156-160	

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